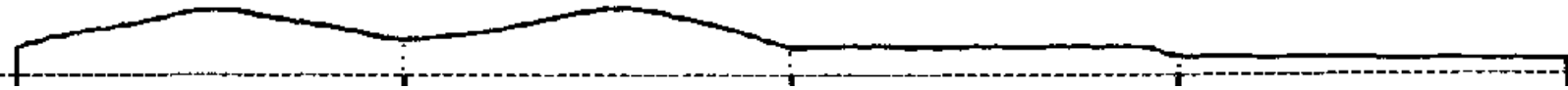


LAND SYSTEM  
Blucmans Creek Flats

296126

Area (ha):  
1066



COMPONENT	A	B	C	D
PROPORTION(%)	25	25	25	25
RAINFALL(mm)	Approximate Annual Rainfall: 500-625			
GEOLOGY	Quaternary Clays, Sands, Gravels with Localised Outcrops of Parmeener Sediments and Dolerite			
TOPOGRAPHY	Undulating Plains and Associated Low Rises			
Position	Low Sandy Crests	Low Stony Dolerite Crests	Drainage Flats	Drainage Flats
Typical Slope( )	3	3	0	0
NATIVE VEGETATION				
Structure	Woodland	(Open) Woodland	Woodland	Woodland
Floristic	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus amygdalina</i>	<i>Eucalyptus viminalis</i>	<i>Eucalyptus ovata</i>
	<i>Casuarina littoralis</i>	<i>Eucalyptus viminalis</i>	<i>Melaleuca ericifolia</i>	<i>Eucalyptus viminalis</i>
	<i>Exocarpos cupressiformis</i>	<i>Casuarina stricta</i>	<i>Plantago coronopus</i>	<i>Acacia mearnsii</i>
	<i>Themeda australis</i>	<i>Acacia mearnsii</i>		
	<i>Lepidosperma concavum</i>	<i>Themeda australis</i>		
	<i>Helichrysum apiculatum</i>	<i>Stipa</i> sp.		
	<i>Hibbertia riparia</i>	<i>Lepidosperma laterale</i>		
	<i>Epacris impressa</i>	<i>Dodonaea viscosa</i>		
	<i>Lomandra longifolia</i>	<i>Bursaria spinosa</i>		
	<i>Leucopogon virgatus</i>	<i>Lomandra longifolia</i>		
	<i>Platylobium triangulare</i>	<i>Lissanthe strigosa</i>		
	<i>Stenanthemum pimeleoides</i>			
	<i>Stipa</i> sp.			
	<i>Astroloma humifusum</i>			
	<i>Pultenaea gunnii</i>			
SOIL				
Surface(A)Texture	Sand	Stony Clay Loam	Sandy Clay Loam	Cracking Heavy Clay
B Horizon(subsoil) Colour (moist) Texture and primary profile form	Deep, red (2.5 YR 4/6) to brownish yellowish (10 YR 6/8) to light grey (10 YR 7/1) sandy clay on sandstone bedrock. Duplex.	Shallow extremely stony clay loam - very dark brown (10 YR 2/2) over bedrock. Uniform.	Deep medium clay - yellowish brown (10 YR 5/8) with light olive brown (2.5 Y 5/4) mottle. Duplex.	Deep heavy clay - very dark greyish brown (2.5 Y 3/2) to olive brown (2.5 Y 4/4). Uniform.
permeability	Moderate/High	High	Moderate	Low
Typical depth(m)	0.80	0.30	1.00	>1.40
LAND USE	Gravel Quarrying		Grazing	
HAZARDS	Moderate Sheet Erosion	Low Sheet Erosion	Salting, High Streambank Erosion, Flooding, waterlogging	

298128

BLUEMANS CREEK FLATS

This land system consists of undulating plains formed on deposits of Quaternary sands, clays and gravels as well as outcrops of Parmeener sediments and Jurassic dolerite. It is located north of Swansea at the Lake Leake Road turnoff.

Low sandy crests have a sand surface over a deep (0.80 m) red to brownish yellow to light grey sandy clay developed on sandstone bedrock. This supports a *Eucalyptus amygdalina* woodland over an understorey that includes *Casuarina littoralis*, *Exocarpos cupressiformis*, *Themeda australis*, *Lepidosperma concavum*, *Hellchrysum apiculatum*, *Hibbertia riparia*, *Epacris impressa*, *Lomandra longifolia*, *Leucopogon virgatus*, *Platylobium triangulare*, *Stenanthemum pimeleoides*, *Stipa sp.*, *Astroloma humifusum* and *Pultenaea gunnii*.

Low stony dolerite crests contain a shallow (0.30 m) uniform extremely stony, very dark brown clay loam developed on bedrock. This supports a woodland/open woodland dominated by *Eucalyptus amygdalina* and *Eucalyptus viminalis* over an understorey that includes *Casuarina stricta*, *Acacia mearnsii*, *Themeda australia*, *Stipa sp.*, *Lepidosperma laterale*, *Dodonaea viscosa*, *Bursaria spinosa*, *Lomandra longifolia* and *Lissanthe strigosa*.

A deep (1.00 m) duplex soil is found on drainage flats consisting of a sandy clay loam surface over a yellowish brown medium clay with an olive brown mottle. This supports a woodland dominated by *Eucalyptus viminalis* over an understorey that includes *Melaleuca ericifolia* and *Plantago coronopus*.

Drainage flats also contain a deep (>1.40 m) uniform heavy clay consisting of a cracking heavy clay surface over a very dark greyish brown to olive brown heavy clay. This supports a woodland dominated by *Eucalyptus ovata* and *Eucalyptus viminalis* over an understorey of *Acacia mearnsii*.

Much of the area has been cleared for grazing. Gravel quarrying occurs on some of the sandy crests. Sheet erosion is a potential hazard on the sandy crests, whilst salting problems, flooding, waterlogging and streambank erosion are evident in some of the drainage flats.